

REMARKS

This application has been carefully reviewed in light of the Office Action dated December 2, 2010. Claims 19, 23, 26, 28, 30, 31 and 33 to 36 are pending in the application, of which Claims 19, 26, 28 and 31 are independent. Reconsideration and further examination are respectfully requested.

Claim 34 is rejected under 35 U.S.C. 112, second paragraph as allegedly being indefinite. Without conceding the correctness of the rejection, Applicant has amended Claim 34 to clarify that it is directed to the data processing apparatus. Accordingly, Applicant respectfully requests reconsideration and withdrawal of this rejection.

Claims 19, 23, 26, 28 and 30 to 33 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 6,825,941 (Nguyen) and further in view of U.S. Patent No. 6,603,565 (Scheidig) and U.S. Patent No. 7,120,646 (Streepy). Claims 34 to 36 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nguyen, Scheidig, Streepy and further in view of U.S. Patent No. 6,967,728 (Vidyanand). Reconsideration and withdrawal of this rejection are respectfully requested.

The claims herein generally concern a data processing apparatus that communicates with an image processing apparatus capable of interpreting a plurality of printing languages. The image processing apparatus processes image data by using resources, some of which may be retained in memory. Specifically, those resources that are used by the plurality of printer languages are to be retained in memory as those resources are likely to be used repeatedly, no matter which printing language is currently being used. However, as resources

associated with specific printing languages may be removed by user selection from a list of resources associated with printer languages, it would be desirable to only display those resources that are not being used by the plurality of printing languages to avoid having the user inadvertently selecting a resource for removal when the user no longer wants to use the printing language. Accordingly, the present claims provide for obtaining resources stored in a printer, identifying resources that should not be removed, and ensuring a resource whose name is not selected to be displayed is excluded from a displayed resource list.

Turning to specific claim language, independent Claim 19 is directed to a data processing apparatus, which communicates with a printer capable of interpreting a plurality of printing languages, that processes image data by using a resource retained in memory, the resource being used for the plurality of printing languages. The apparatus includes retention means for retaining the resource containing data of the resource, which is utilized in image processing on the printer, wherein the resource is for the plurality of printing languages; input means for inputting, via a graphical user interface, a plurality of display names of the resource retained by the retaining means; selecting means for selecting, via the graphical user interface, a choice from displaying any one of the multiple display names input by the input means or not displaying any display name, for each of the plurality of printing languages which are allowed to use the resources; setting means for setting, to the resource retained by the retention means, the multiple display names inputted by the input means and name-use information indicative of correspondence between the plurality of printing languages and display names selected to be corresponding to each of the plurality of printing languages by the selecting means; and transmitting means for transmitting the resource to the printer in response to a transmission instruction input via the graphical user interface, wherein the multiple display names and the

name-use information are set to the transmitted resource, wherein processes image data by using the transmitted resource, and wherein the resource is for the plurality of printing languages.

Applicant submits that the applied references, alone or in any permissible combination, are not seen to disclose or to suggest the foregoing arrangement. In particular the applied references, alone or in any permissible combination, are not seen to disclose or to suggest at least the features of retaining a resource containing data of a resource, which is utilized in image processing on a printer, wherein the resource is for a plurality of printing languages and selecting, via a graphical user interface, a choice from displaying any one of multiple display names or not displaying any display name, for each of a plurality of printing languages which are allowed to use the resources.

Nguyen discloses a Universal Printer Driver (Unidrv5) that allows original equipment manufacturers (OEMs) to provide customization components (plugins) to modify the standard driver user interface and the output data stream sent to the printer. Because most OEMs presumably know better how to generate outputs tailored for their specific printers, better graphics and text quality also result, especially for ink jet printers. As may be seen from FIG. 2 the driver architecture is modular. This modular driver architecture is composed of multiple well-defined modules based on functionality. Any particular printer may use some or all of these modules' functionality as desired by the OEM. See Nguyen, column 8, lines 4 to 25.

Nguyen discloses that there are several reasons for providing OEMs the capability to customize the standard printer driver 64. First, OEMs can provide custom features specific to their printer models that are not specifically supported by the driver. Second, printer OEMs can differentiate their printers by customizing the look and feel of the UI presented to the user.

Third, OEMs can provide a custom help file to supplement or replace the standard driver help content. See Nguyen, column 9, lines 30 to 48.

Thus, Nguyen is seen to disclose a universal printer driver capable of supporting a number of printers. In particular, the universal printer driver can be adapted to an OEM's printer employed as an outputting device by adding plugins provided by the OEM to the universal printer driver. A font utilized by the universal printer driver is shown in Fig. 2.

On the other hand, the claims herein recite a feature of displaying resources for a plurality of printing languages but also selecting, via a graphical user interface, a choice from displaying any one of multiple display names or not displaying any display name, for each of the plurality of printing languages which are allowed to use the resources, thus permitting a user to selectively display resources for selection by a user for later operations on those resources. Nguyen is believed to be silent as to such a feature.

Scheidig discloses a data structure in Fig. 2a that is produced on the basis of an example of two setups 9 and 10. Each setup data set is divided into language-dependent parameters 11 and into machine-dependent parameters 12. The data of various printer languages (emulation modes) as well as machine-dependent parameters matching therewith are respectively stored in a setup data set. See Scheidig, column 5, lines 36 to 42.

Thus, Scheidig is seen to disclose that language dependent parameters are prepared in setup data. However, Scheidig is believed to be silent as to selecting, via a graphical user interface, a choice from displaying any one of multiple display names or not displaying any display name, for each of the plurality of printing languages which are allowed to use the resources, thus permitting a user to selectively display resources for selection by a user for later operations on those resources.

Streepy discloses that meta-model components define attributes, or properties, for instances of a plurality of model types. Specifically, Streepy disclose that Terms 124 hold the words used to verbalize a Concept 122. Terms 124 are organized within language locales (such as “en_US”) to support international usage. Terms 124 are also the words used to document an encounter with a patient. When a physician documents that a patient has a broken leg, the phrase used to do so comes from the Term 124 associated with the Concept 122 of “Broken Leg”. Each Concept 122 can have numerous Terms 124 associated with it, but each Term 124 object is associated with exactly one Concept 122 object. Each Term 124 has a number of attributes that further define its applicability for different uses. The attributes are: (1) the language locale in which this Term 124 is used, “en_US” for example; (2) the text string, as in “Broken Leg”; (3) Display Term, which marks the Term 124 that should be used by default to display the associated Concept 122 (This term is the one LExScape uses to render the nodes in the Concept Display); and (4) the Term Type 224, which indicates the primary use of the Term 124. Term objects 124 may have an arbitrary number of Facets 128. See Streepy, column 12, lines 49 to 67.

Thus, Streepy is seen to disclose meta-model components sharing a set of common properties and attributes. However, Streepy is entirely silent as to selecting, via a graphical user interface, a choice from displaying any one of multiple display names or not displaying any display name, for each of the plurality of printing languages which are allowed to use the resources, thus permitting a user to selectively display resources for selection by a user for later operations on those resources.

Therefore, the applied references, alone or in any permissible combination, are not seen to disclose or to suggest the foregoing arrangement, particularly the features of retaining a resource containing data of a resource, which is utilized in image processing on a printer,

wherein the resource is for a plurality of printing languages and selecting, via a graphical user interface, a choice from displaying any one of multiple display names or not displaying any display name, for each of a plurality of printing languages which are allowed to use the resources.

In view of the foregoing amendments and remarks, independent Claims 19, 26, 28 and 31, as well as the claims dependent therefrom, are believed to recite subject matter that would not have been obvious from the applied art, and are therefore believed to be in condition for allowance.

The other pending claims in this application are each dependent from the independent claims discussed above and are therefore believed allowable for the same reasons. Because each dependent claim is also deemed to define an additional aspect of the invention, however, the individual consideration of each on its own merits is respectfully requested.

In view of the foregoing amendments and remarks, the entire application is believed to be in condition for allowance, and such action is respectfully requested at the Examiner's earliest convenience.

CONCLUSION

Any fees believed to be due are being paid concurrently herewith. The Director is hereby authorized to credit any fee overpayment, or charge any fee underpayment, to Deposit Account No. 06-1205.

Applicant's undersigned attorney may be reached in our Costa Mesa, CA office at (714) 540-8700. All correspondence should continue to be directed to our below-listed address.

Respectfully submitted,

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